

FIG. 2.

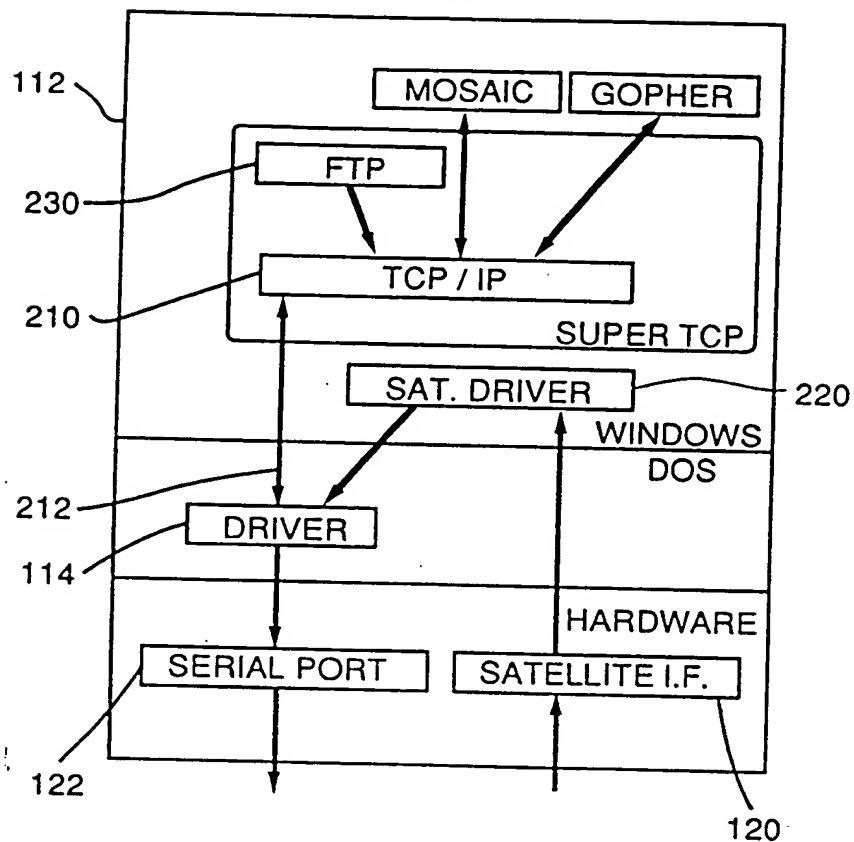


FIG. 3.

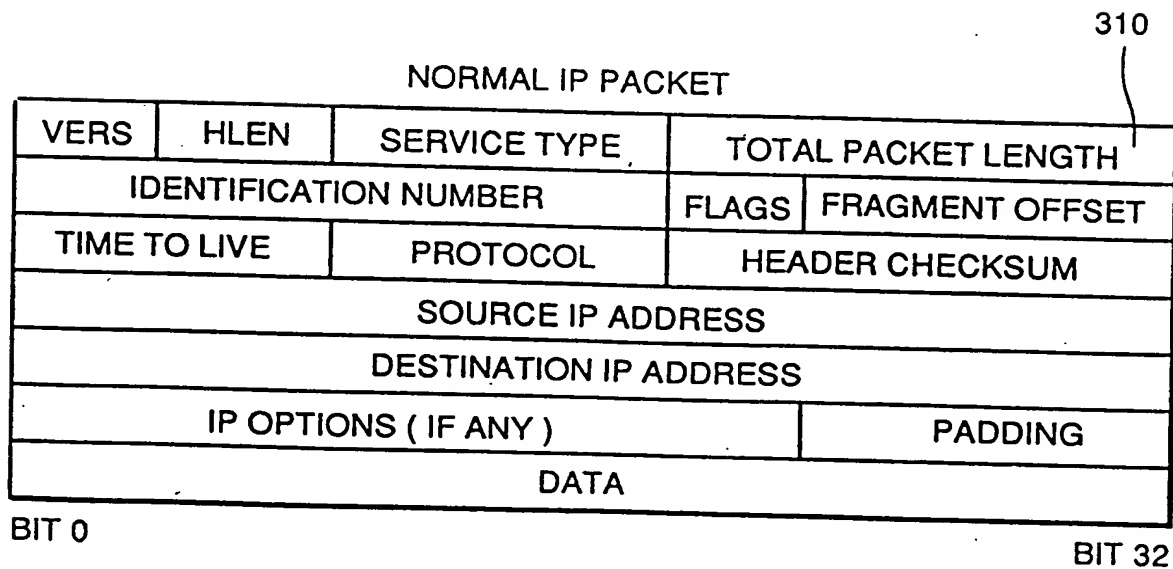


FIG. 4.

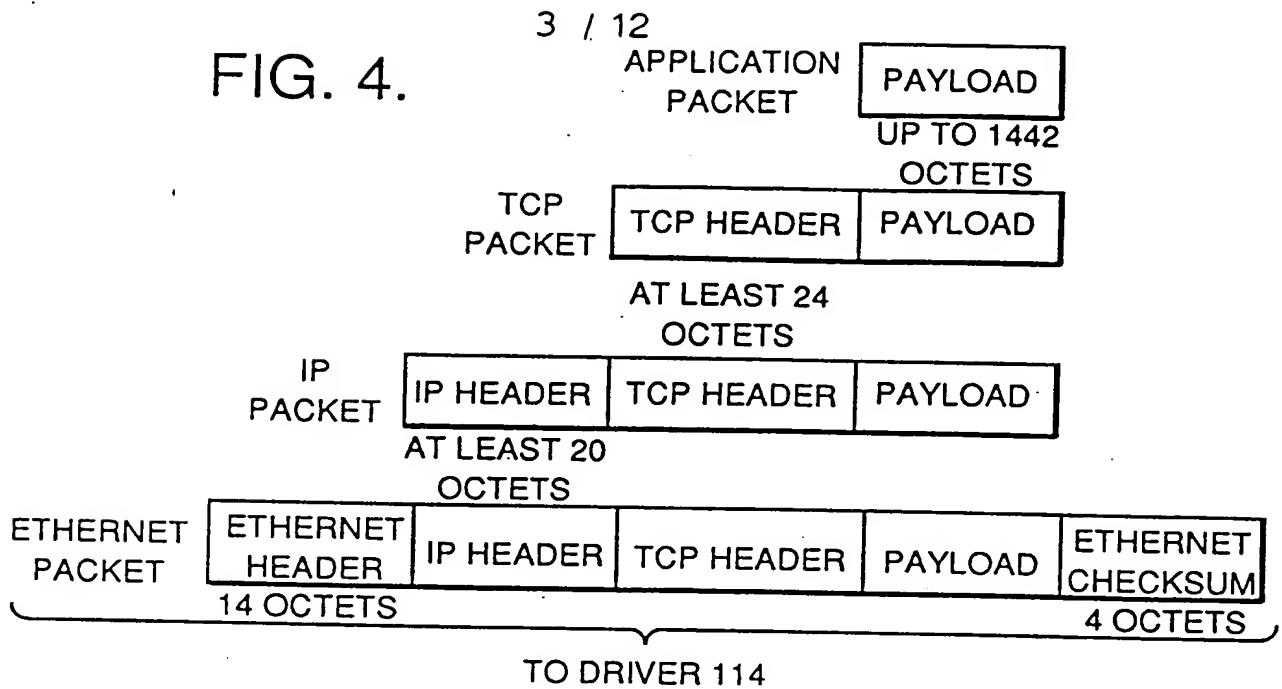
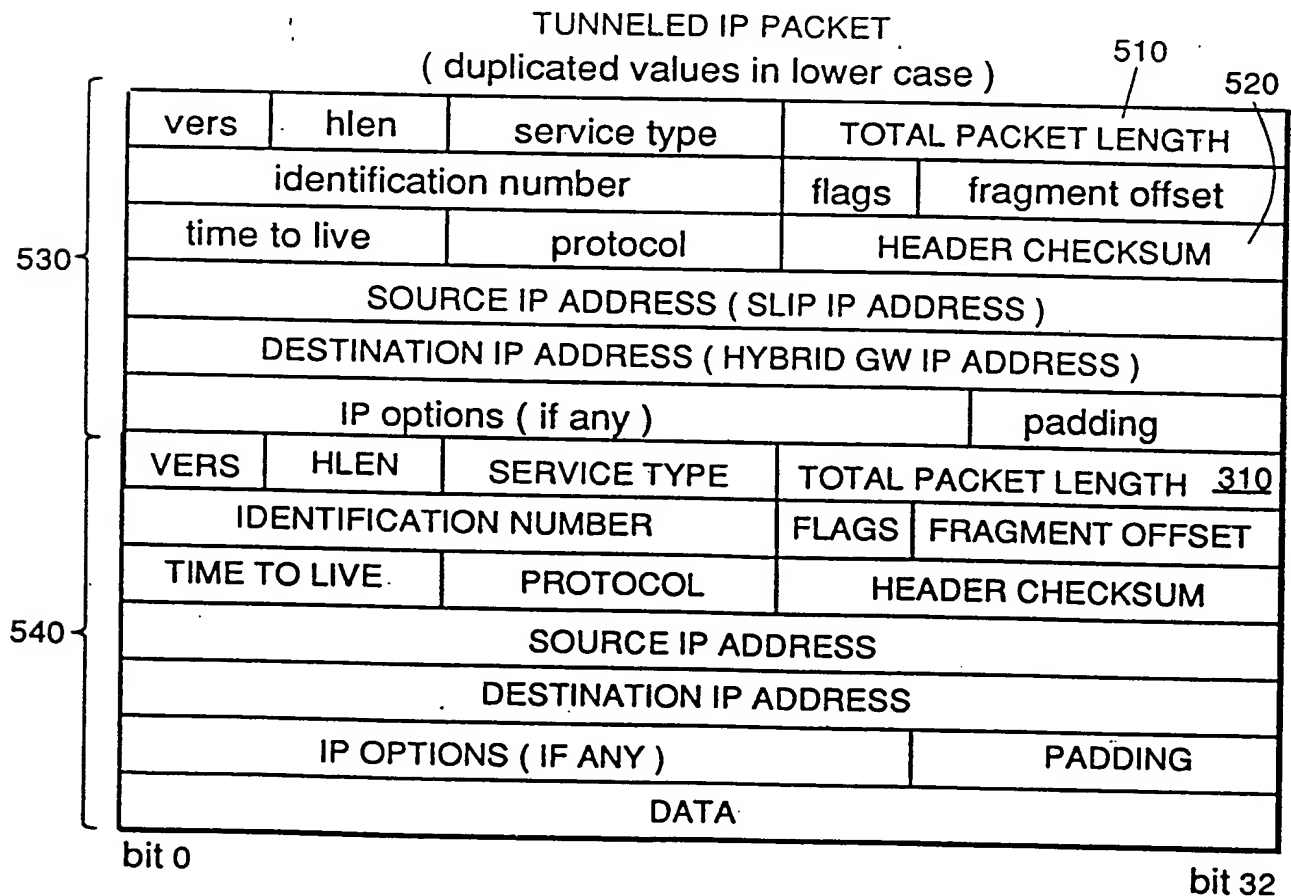


FIG. 5.



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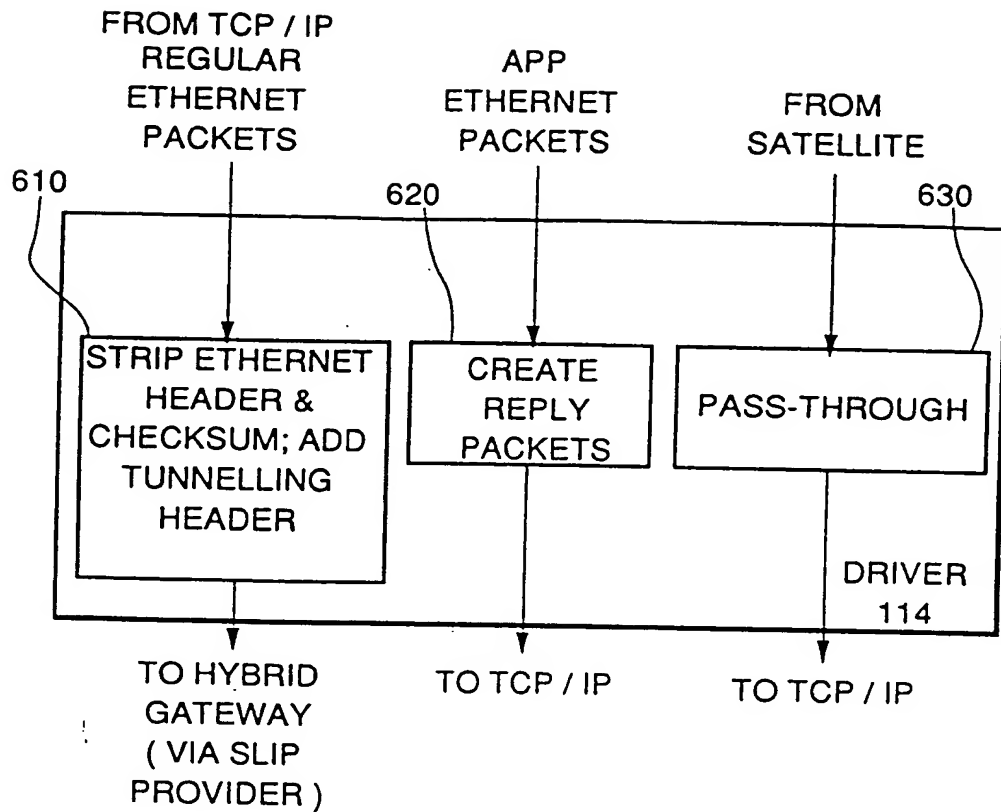


FIG. 6.

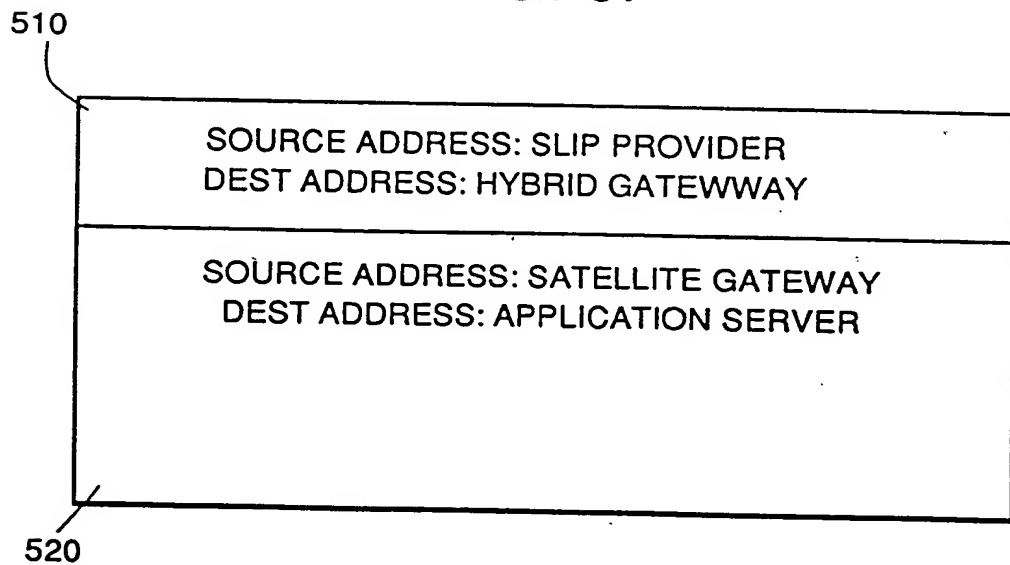


FIG. 7.

FIG. 8.

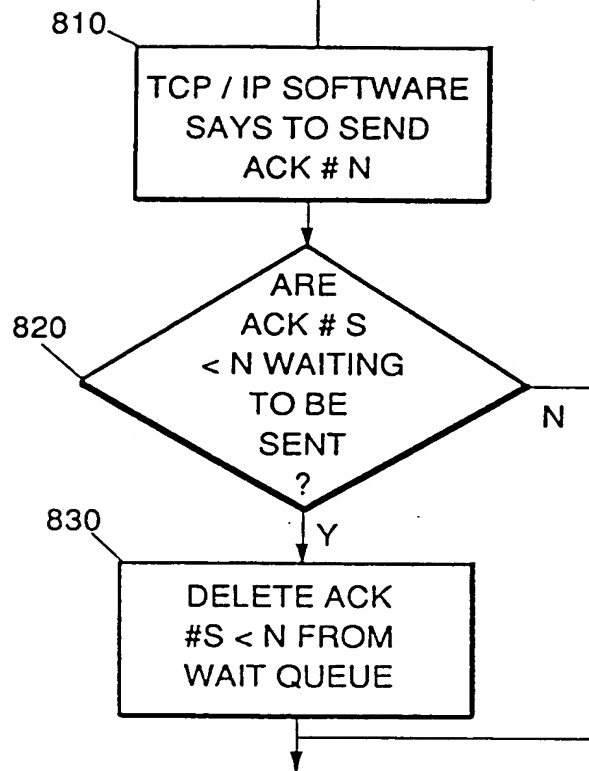


FIG. 9.

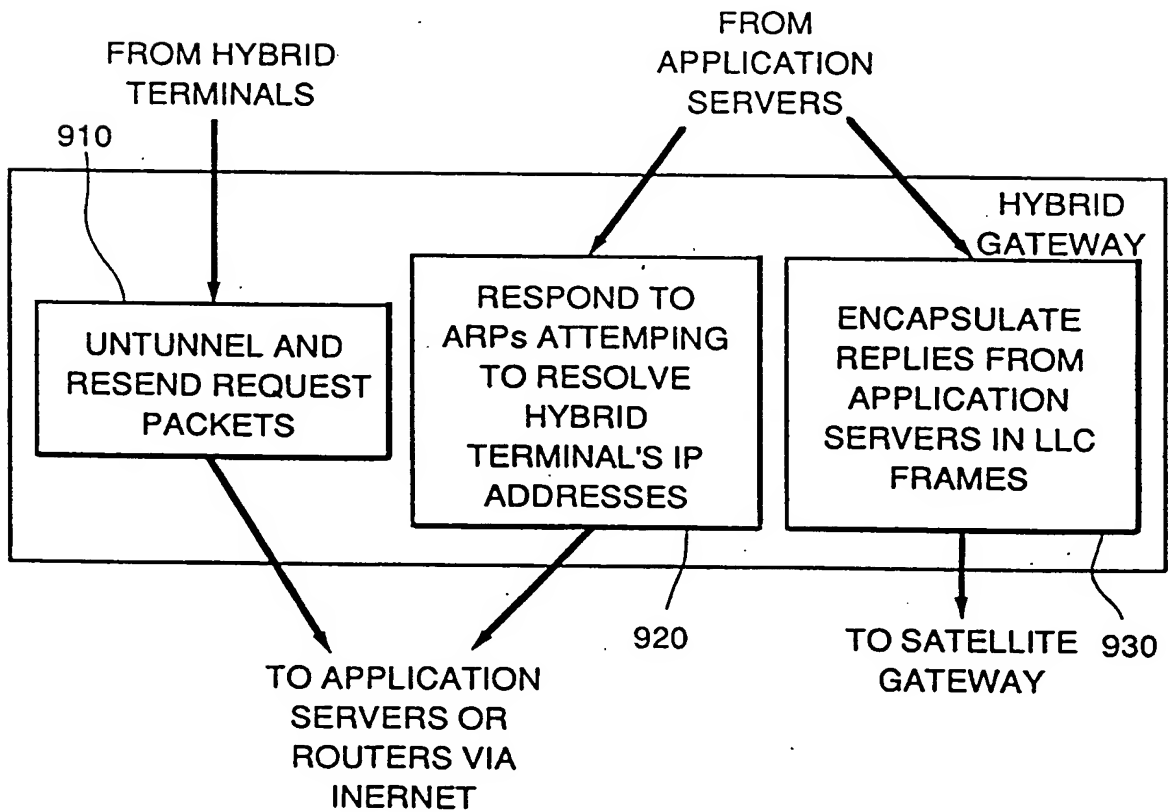


FIG. 10.

1030	1020	1010
LLC HEADER	SATELLITE HEADER	IP DATAGRAM (PAYLOAD)
DELIVERS PACKET TO SATELLITE GATEWAY STRIPPED OFF IN SATELLITE GATEWAY	USED TO ID CORRECT RECEIVER TERMINAL STRIPPED OFF IN BIC DRIVER IN USER TERMINAL	DESTINED FOR TCP/IP PACKAGE IN USER TERMINAL

FIG. 11.

	0	4	10	16	24	31
1102	SOURCE PORT				DESTINATION PORT	
	SEQUENCE NUMBER					
	ACKNOWLEDGEMENT NUMBER					
1104	HLEN	RESERVED	CODE BITS	WINDOW		
1106	CHECKSUM				URGENT POINTER	
	OPTIONS (IF ANY)				PADDING	
	DATA					
	...					
	TCP PACKET					

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FIG. 12.

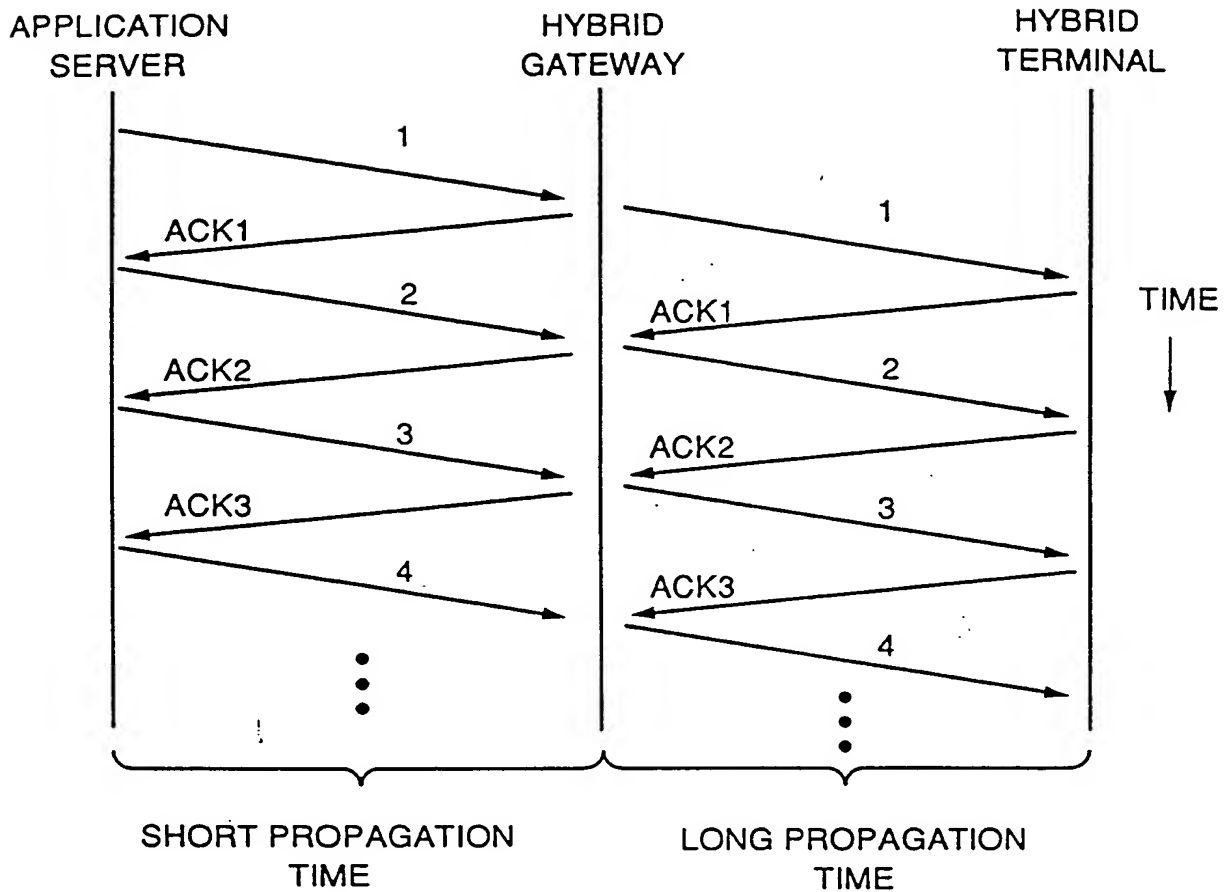


FIG. 13a.

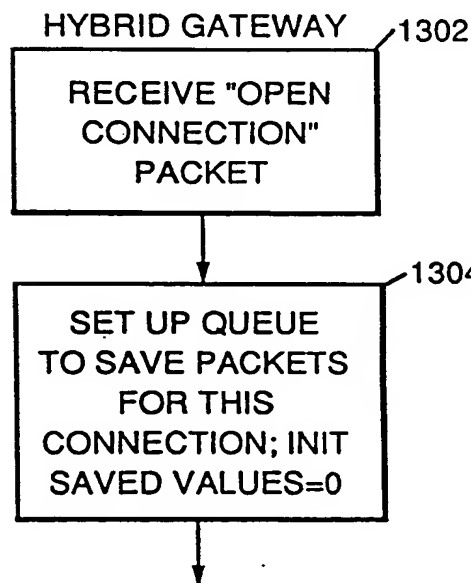


FIG. 13b.

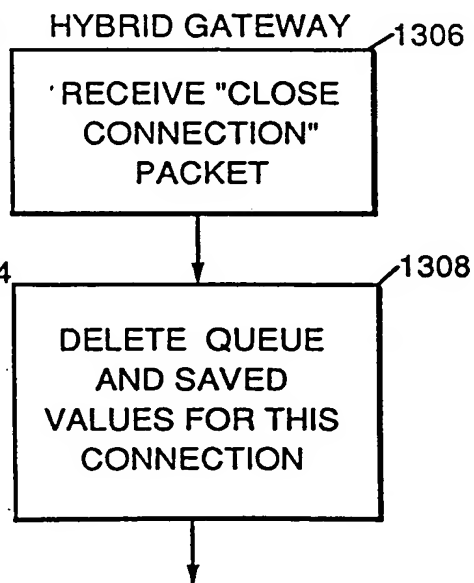


FIG. 13c.

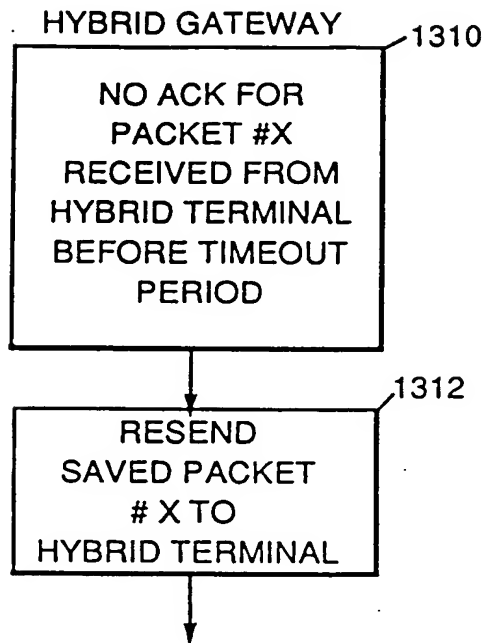


FIG. 13d.

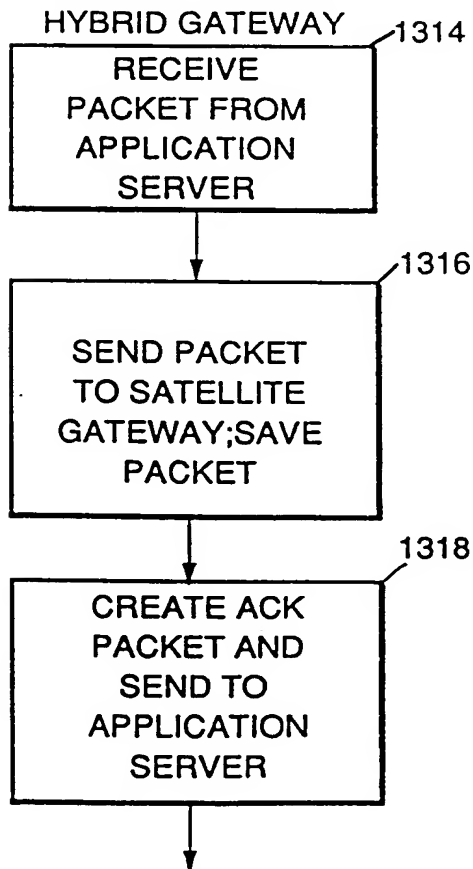
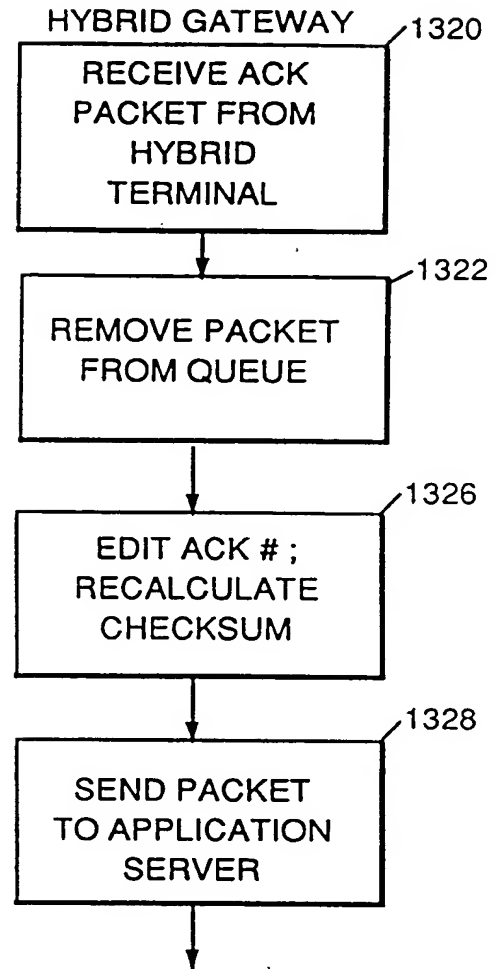


FIG. 13e.



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TELNET "T894500"

1410

Terrestrial Telnet Enable: ☐ Select All (except **)

<input type="checkbox"/>	Domain Name System	(53)
<input checked="" type="checkbox"/>	Finger	(79)
<input checked="" type="checkbox"/>	Ping	(NA)
**	Simple Mail Transfer Protocol	(25)
<input checked="" type="checkbox"/>	Telnet	(23)

1412

Help

Cancel

Add

Delete

OK

Application Name

Protocol: ☒ TCP/UDP ☒ Other

Port Id Protocol Id:

FIG. 14

DA = application server	SA = satellite interface	IP header checksum	TCP/UDP checksum	Request Data
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FIG. 16A: ORIGINAL REQUEST PACKET

new DA = hybrid gateway	new SA = SLIP provider	new IP header checksum	DA = application server	SA = satellite interface	IP header checksum	TCP/UDP checksum	Request Data
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FIG. 16B: TUNNELED SATELLITE REQUEST PACKET

DA = application server	(new) SA = SLIP provider	(new) IP header checksum	(new) TCP/UDP checksum	Request Data
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FIG. 16C: TERRESTRIAL REQUEST PACKET

DA = SLIP provider	SA = application server	IP header checksum	TCP/UDP checksum	Request Data
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FIG. 16D: TERRESTRIAL REPLY PACKET

(new) DA = satellite interface	SA = application server	IP header checksum	TCP/UDP checksum	Request Data
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FIG. 16E: MODIFIED TERRESTRIAL REPLY PACKET

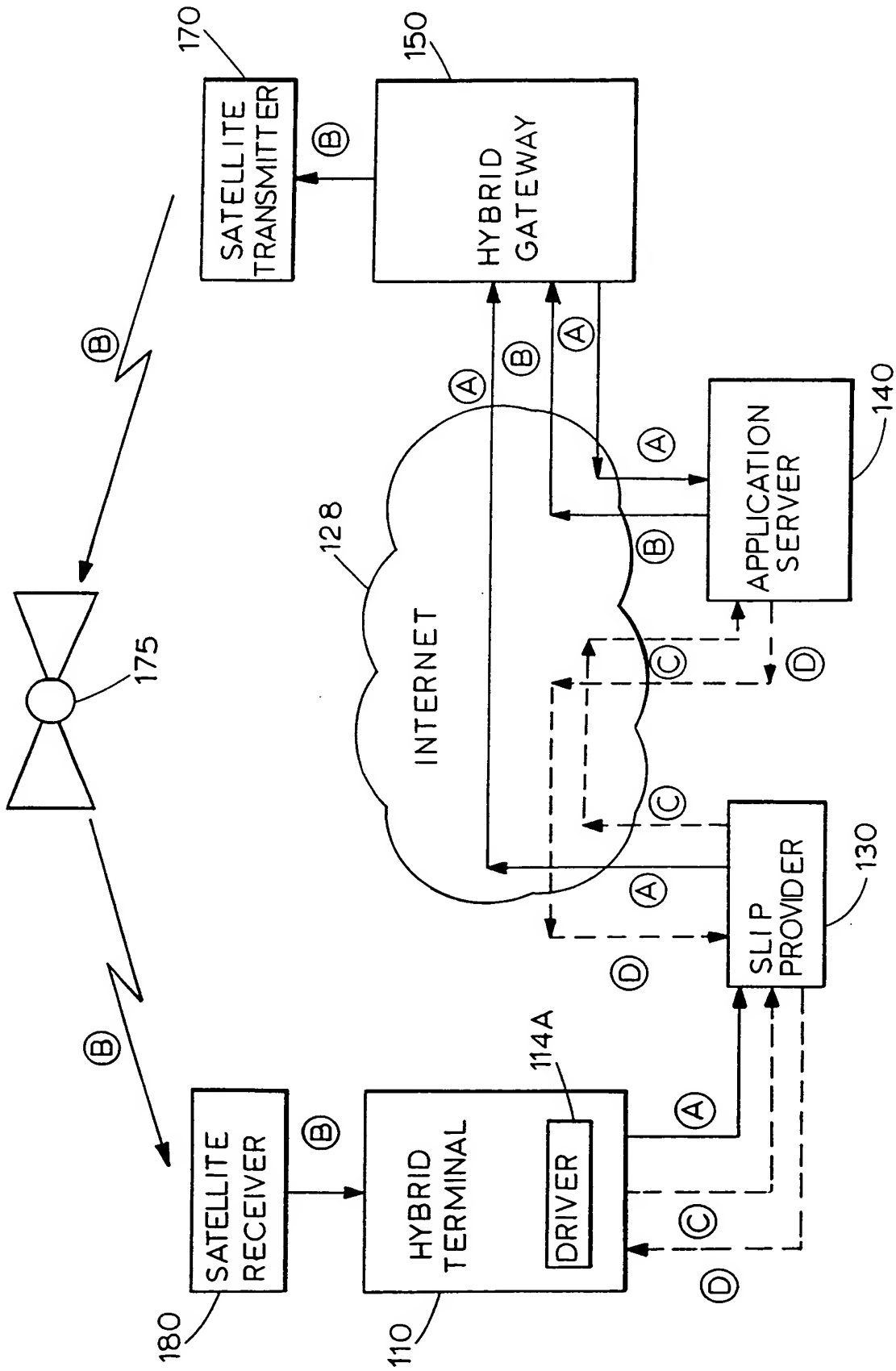


FIG. 15

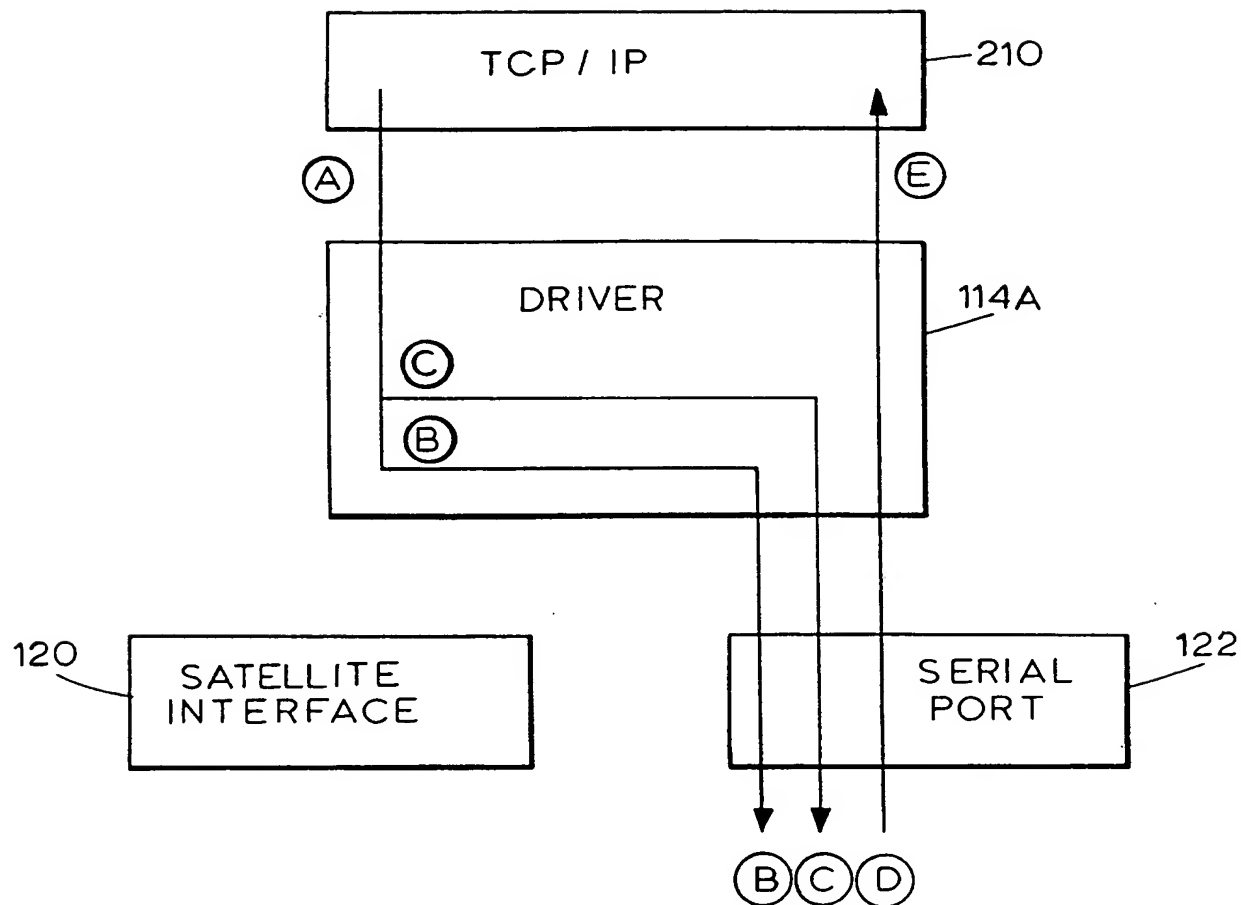


FIG. 16